



COMMONWEALTH OF VIRGINIA
DEPARTMENT OF MINES, MINERALS AND ENERGY
DIVISION OF MINED LAND RECLAMATION
P. O. DRAWER 900; BIG STONE GAP, VA 24219
TELEPHONE: (276) 523-8166

JMB
103-07

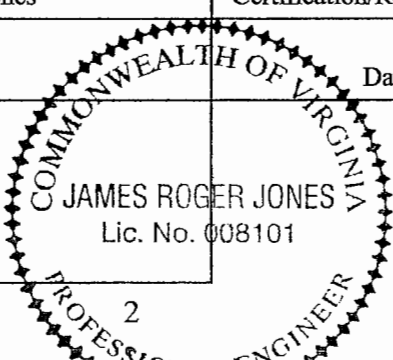
EXCESS SPOIL FILLS AND REFUSE EMBANKMENTS CONSTRUCTION CERTIFICATION

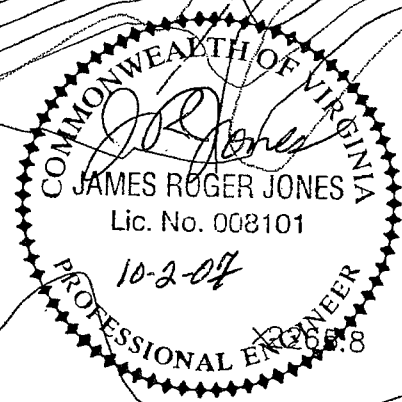
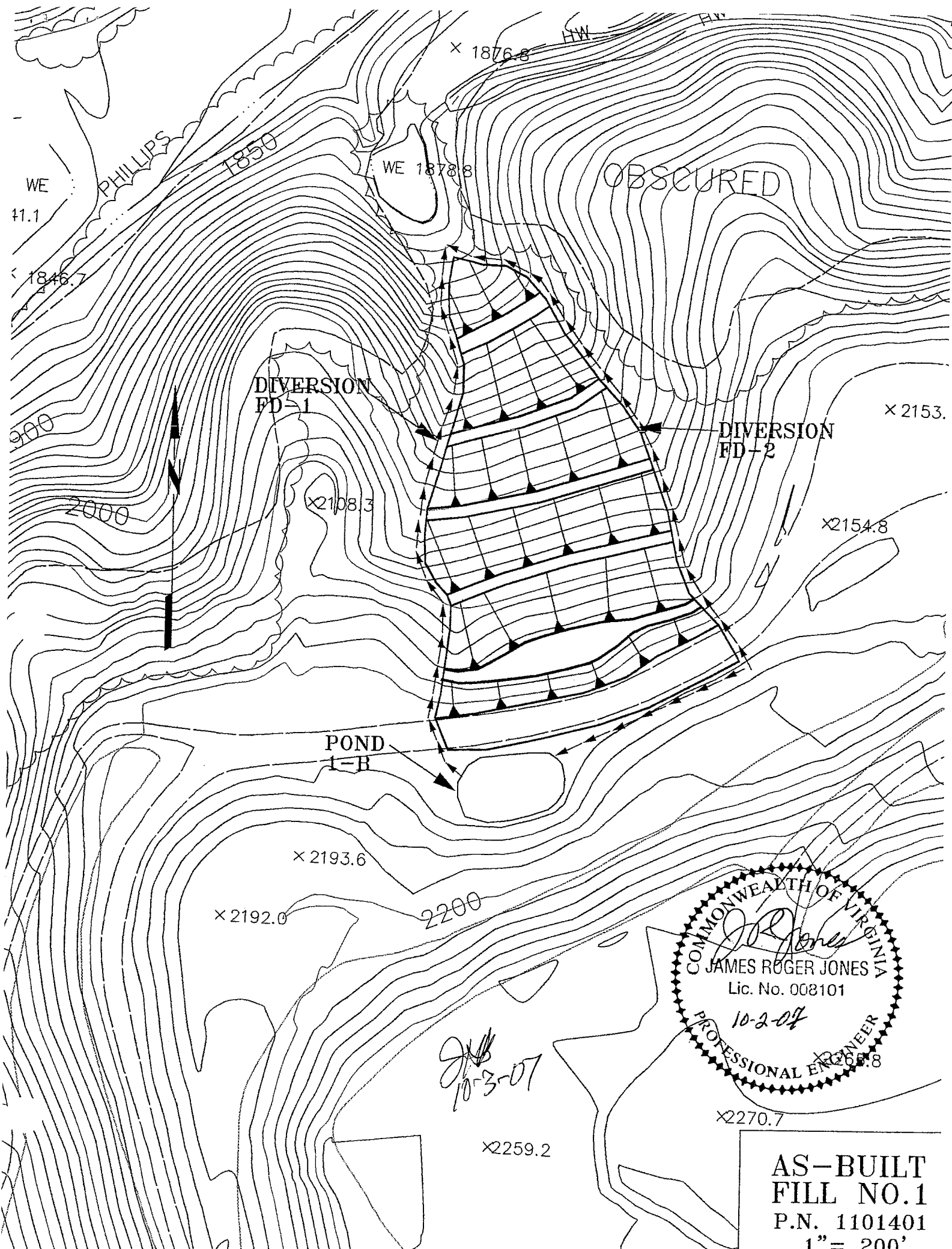
COMPANY NAME	Red River Coal Company, Inc.	PERMIT NO.	1101401
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Fill Number	1	Type of Fill	VF	
Enter "A" if this Certification concerns a critical stage of construction; "B" a quarterly inspection; "F" a final inspection; or "C" combination.				3rd Quarter 2007 F
Removal of Organic Materials and Topsoil				
Distance in feet that clearing and grubbing operations precede spoil placement.			0	
Distance in feet that topsoil removal operations precede spoil placement.			0	
Yes or No	Where applicable, enter the appropriate response to the following. If not applicable, enter "NA".			
Y	Topsoil is removed to competent subsoil or rock.			
Y	All topsoil is being stockpiled or placed on completed portions.			
Placement of Underdrain System (attach color photographs)				
Height by width dimensions (in feet) of the underdrain per the approved detailed plans.			2 ft. X 6 ft.	
Actual constructed height by width dimensions (in feet) of the underdrain.			10+ ft. X 10+ ft.	
Yes or No	Where applicable, enter the appropriate response to the following. If not applicable, enter "NA".			
Y	Durable rock fill is free of shale, fines, and other contaminants.			
Y	The rock grading is in accordance with the approved design.			
N.A.	Rock is being placed by selective handling from the toe of the fill.			
N.A.	The keyway cut was constructed in accordance with the approved design.			
N.A.	The rock toe buttress was constructed in accordance with the approved design.			
N.A.	The filter systems for the underdrain(s) were constructed in accordance with the approved design.			
N.A.	Lateral drains were placed to all springs and potential seeps.			
Installation of the Surface Drainage System				
Y	Sediment ponds were installed prior to any fill construction disturbance.			
Y	Temporary diversion ditches, if applicable, were installed in accordance with the approved design.			
Y	Permanent diversion ditches, side drains and terraces are installed in accordance with the approved designs, and			
Y	- are placed on the proper grade(s).			
Y	- are constructed in accordance with the approved design dimensions.			
R; B	Indicate the type of erosion protection techniques used in the side drains, diversion ditches, and terraces by entering "R" for rock rip rap; "B" for bed rock; "V" for vegetation; and "O" for other (specify).			
Y	The rip rap meets the design specifications for depth and grading.			

JMB 103-07

Placement and Compaction of Materials	
Yes or No	Where applicable, enter the appropriate response to the following. If not applicable, enter "NA".
Y	The material is placed in 4 feet lifts or less as specified in the approved design.
Y	The haulage vehicles are routed to achieve compaction.
	List other methods of compaction utilized in the fill construction. Dozers spread material.
	What is the percent of compaction? N.A.
	What is the moisture content of the material at the time of placement? N.A.
Y	Potentially toxic or acid forming material is being handled according to the approved plans.
Y	This is a durable rock fill composed of 80% durable rock, and
Y	- with the clay or shale dispersed properly.
Y	- the spoil is dumped at the approved locations.
N.A.	- the bench height above the completed portions are no greater than 50 feet.
Vegetation	
Y	Topsoiling and seeding are conducted concurrently with terrace completion.
Y	Seeding is in accordance with the approved mixtures and rates.
100%	Indicate the approximate percentage of ground cover.
Sketch of Fill(s) and Support Structure(s)	
<p>Submit a sketch (on a separate sheet) of each fill and supporting structures which are subject to this certification. Include the following information:</p> <ol style="list-style-type: none"> 1. approximate North. 2. outline of the fill area. 3. location of sediment control structure(s). 4. number and location of completed terraces. 5. the limits of organic material removal. 6. the limits of topsoil removal. 7. the location of any surface or ground water discharges. 8. the location of all underdrains and diversion ditches. 9. discuss any changes to be made, variations from the approved design, and any improper practices encountered. <p style="text-align: right;">NOTE: Internal roads serve as diversions above the fill.</p>	
Comments	
Final certification, see attached drawing, no instability noted.	

Certification by Registered Professional Engineer			
I certify that the aforementioned fill is constructed and installed in accordance with the requirements of the Virginia Coal Surface Mining Reclamation Regulations and as per the approved design(s).			
CERTIFIED BY:	James Roger Jones	Certification/Registration No.	008101
SIGNATURE:	<i>JR Jones</i>	Date:	10-2-07
PLACE SEAL HERE			



AS-BUILT
FILL NO.1
P.N. 1101401
1"= 200'



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File
10/3/07

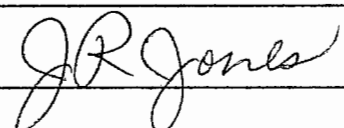
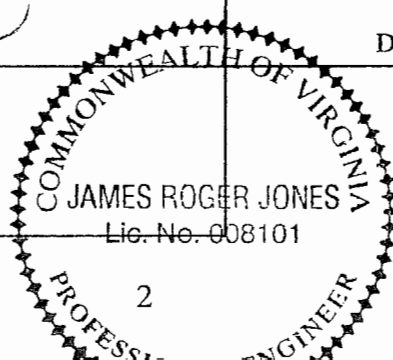
EXCESS SPOIL FILLS AND REFUSE EMBANKMENTS CONSTRUCTION CERTIFICATION

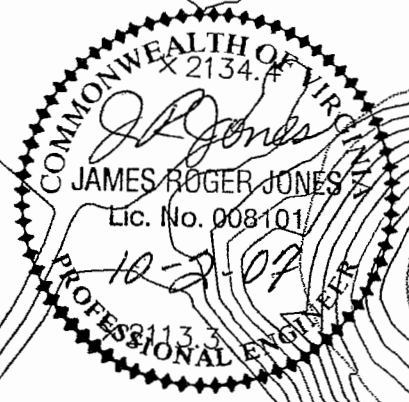
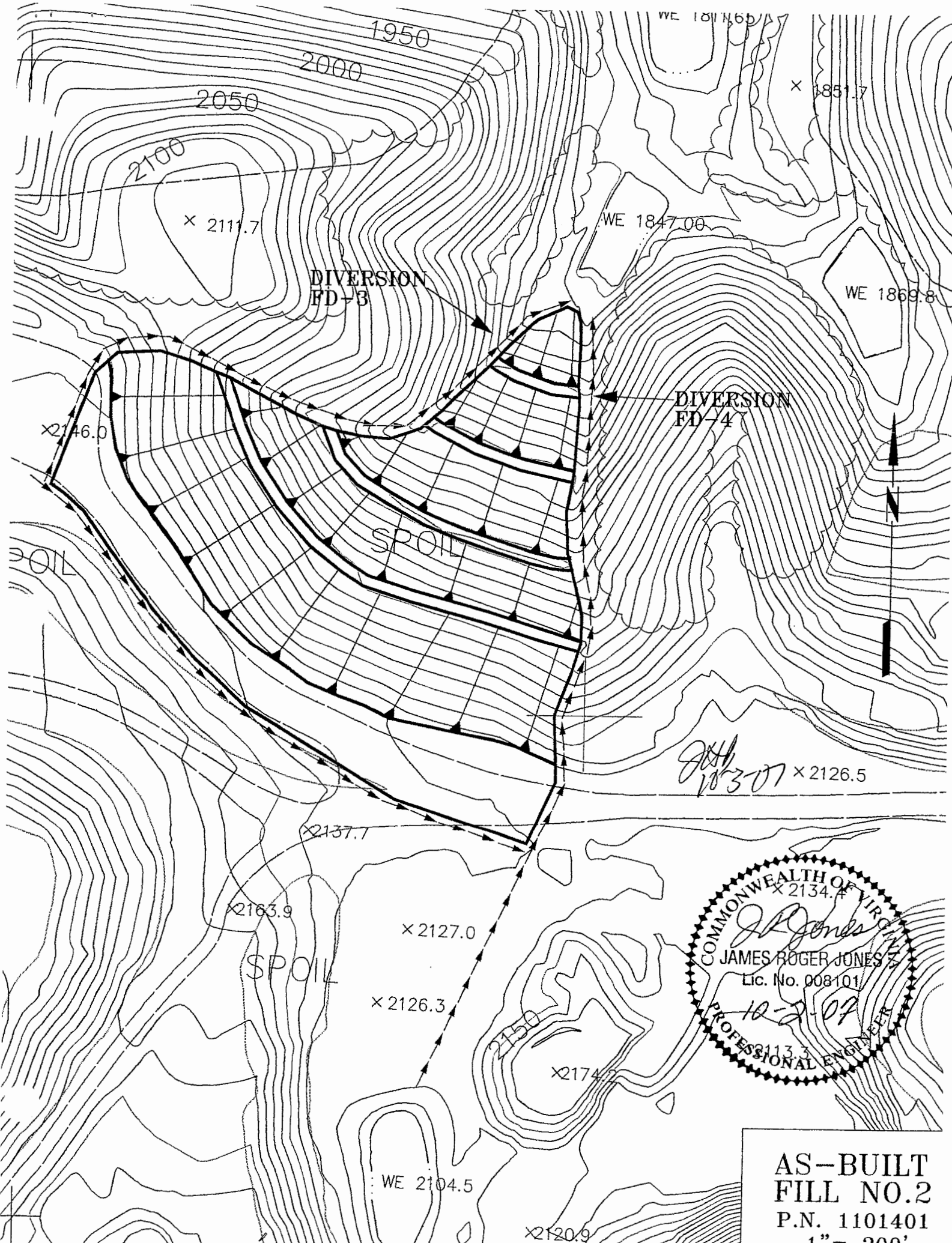
COMPANY NAME	Red River Coal Company, Inc.	PERMIT NO.	1101401
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Fill Number	2	Type of Fill	VF	
Enter "A" if this Certification concerns a critical stage of construction; "B" a quarterly inspection; "F" a final inspection; or "C" combination.			3rd Quarter 2007	F
Removal of Organic Materials and Topsoil				
Distance in feet that clearing and grubbing operations precede spoil placement.			0	
Distance in feet that topsoil removal operations precede spoil placement.			0	
Yes or No	Where applicable, enter the appropriate response to the following. If not applicable, enter "NA".			
Y	Topsoil is removed to competent subsoil or rock.			
Y	All topsoil is being stockpiled or placed on completed portions.			
Placement of Underdrain System (attach color photographs)				
Height by width dimensions (in feet) of the underdrain per the approved detailed plans.			3 ft. X 8 ft.	
Actual constructed height by width dimensions (in feet) of the underdrain.			4 ft. X 12 ft.	
Yes or No	Where applicable, enter the appropriate response to the following. If not applicable, enter "NA".			
Y	Durable rock is free of shale, fines, and other contaminants.			
Y	The rock grading is in accordance with the approved design.			
Y	Rock is being placed by selective handling from the toe of the fill.			
N.A.	The keyway cut was constructed in accordance with the approved design.			
N.A.	The rock toe buttress was constructed in accordance with the approved design.			
N.A.	The filter systems for the underdrain(s) were constructed in accordance with the approved design.			
N.A.	Lateral drains were placed to all springs and potential seeps.			
Installation of the Surface Drainage System				
Y	Sediment ponds were installed prior to any fill construction disturbance.			
Y	Temporary diversion ditches, if applicable, were installed in accordance with the approved design.			
Y	Permanent diversion ditches, side drains and terraces are installed in accordance with the approved designs, and			
Y	- are placed on the proper grade(s).			
Y	- are constructed in accordance with the approved design dimensions.			
R; B	Indicate the type of erosion protection techniques used in the side drains, diversion ditches, and terraces by entering "R" for rock rip rap; "B" for bed rock; "V" for vegetation; and "O" for other (specify).			
N.A.	The rip rap meets the design specifications for depth and grading.			

10-2-07

Placement and Compaction of Materials	
Yes or No	Where applicable, enter the appropriate response to the following. If not applicable, enter "NA".
Y	The material is placed in 4 feet lifts or less as specified in the approved design.
Y	The haulage vehicles are routed to achieve compaction.
	List other methods of compaction utilized in the fill construction. Dozers spread material.
	What is the percent of compaction? N.A.
	What is the moisture content of the material at the time of placement? N.A.
Y	Potentially toxic or acid forming material is being handled according to the approved plans.
Y	This is a durable rock fill composed of 80% durable rock, and
Y	- with the clay or shale dispersed properly.
Y	- the spoil is dumped at the approved locations.
N.A.	- the bench height above the completed portions are no greater than 50 feet.
Vegetation	
Y	Topsoiling and seeding are conducted concurrently with terrace completion.
Y	Seeding is in accordance with the approved mixtures and rates.
100%	Indicate the approximate percentage of ground cover.
Sketch of Fill(s) and Support Structure(s)	
<p>Submit a sketch (on a separate sheet) of each fill and supporting structures which are subject to this certification. Include the following information:</p> <ol style="list-style-type: none"> 1. approximate North. 2. outline of the fill area. 3. location of sediment control structure(s). 4. number and location of completed terraces. 5. the limits of organic material removal. 6. the limits of topsoil removal. 7. the location of any surface or ground water discharges. 8. the location of all underdrains and diversion ditches. 9. discuss any changes to be made, variations from the approved design, and any improper practices encountered. <p style="text-align: right;">NOTE: Internal roads and mine benches serve as diversions above the fill.</p>	
Comments	
Final certification, see attached drawing, no instability noted.	

Certification by Registered Professional Engineer			
I certify that the aforementioned fill is constructed and installed in accordance with the requirements of the Virginia Coal Surface Mining Reclamation Regulations and as per the approved design(s).			
CERTIFIED BY:	James Roger Jones	Certification/Registration No.	008101
SIGNATURE:		Date:	10-2-07
PLACE SEAL HERE			



AS-BUILT
FILL NO.2
P.N. 1101401
1" = 200'



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8/16
10-3-07

EXCESS SPOIL FILLS AND REFUSE EMBANKMENTS CONSTRUCTION CERTIFICATION

COMPANY NAME	Red River Coal Company, Inc.	PERMIT NO.	1101401
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Fill Number	3	Type of Fill	VF
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Enter "A" if this Certification concerns a critical stage of construction; "B" a quarterly inspection; "F" a final inspection; or "C" combination. 3rd Quarter 2007

F

Removal of Organic Materials and Topsoil

Distance in feet that clearing and grubbing operations precede spoil placement.

0

Distance in feet that topsoil removal operations precede spoil placement.

0

Yes or No Where applicable, enter the appropriate response to the following. If not applicable, enter "NA".

Y Topsoil is removed to competent subsoil or rock.

Y All topsoil is being stockpiled or placed on completed portions.

Placement of Underdrain System (attach color photographs)

Height by width dimensions (in feet) of the underdrain per the approved detailed plans.

5 ft. X 10 ft.

Actual constructed height by width dimensions (in feet) of the underdrain.

10+ ft. X 20+ ft.

Yes or No Where applicable, enter the appropriate response to the following. If not applicable, enter "NA".

Y Durable rock is free of shale, fines, and other contaminants.

Y The rock grading is in accordance with the approved design.

N.A. Rock is being placed by selective handling from the toe of the fill.

N.A. The keyway cut was constructed in accordance with the approved design.

N.A. The rock toe buttress was constructed in accordance with the approved design.

N.A. The filter systems for the underdrain(s) were constructed in accordance with the approved design.

N.A. Lateral drains were placed to all springs and potential seeps.

Installation of the Surface Drainage System

Y Sediment ponds were installed prior to any fill construction disturbance.

Y Temporary diversion ditches, if applicable, were installed in accordance with the approved design.

N.A. Permanent diversion ditches, side drains and terraces are installed in accordance with the approved designs, and

N.A. - are placed on the proper grade(s).

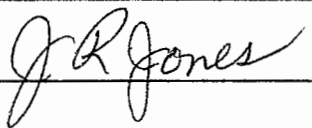
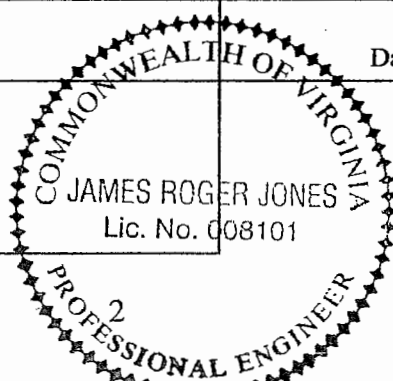
N.A. - are constructed in accordance with the approved design dimensions.

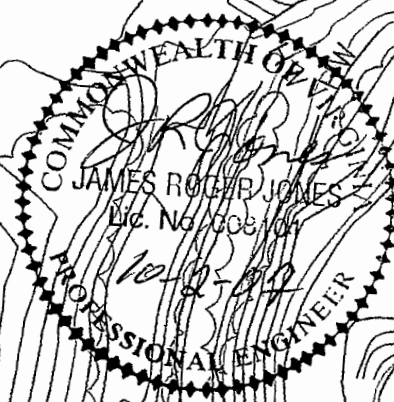
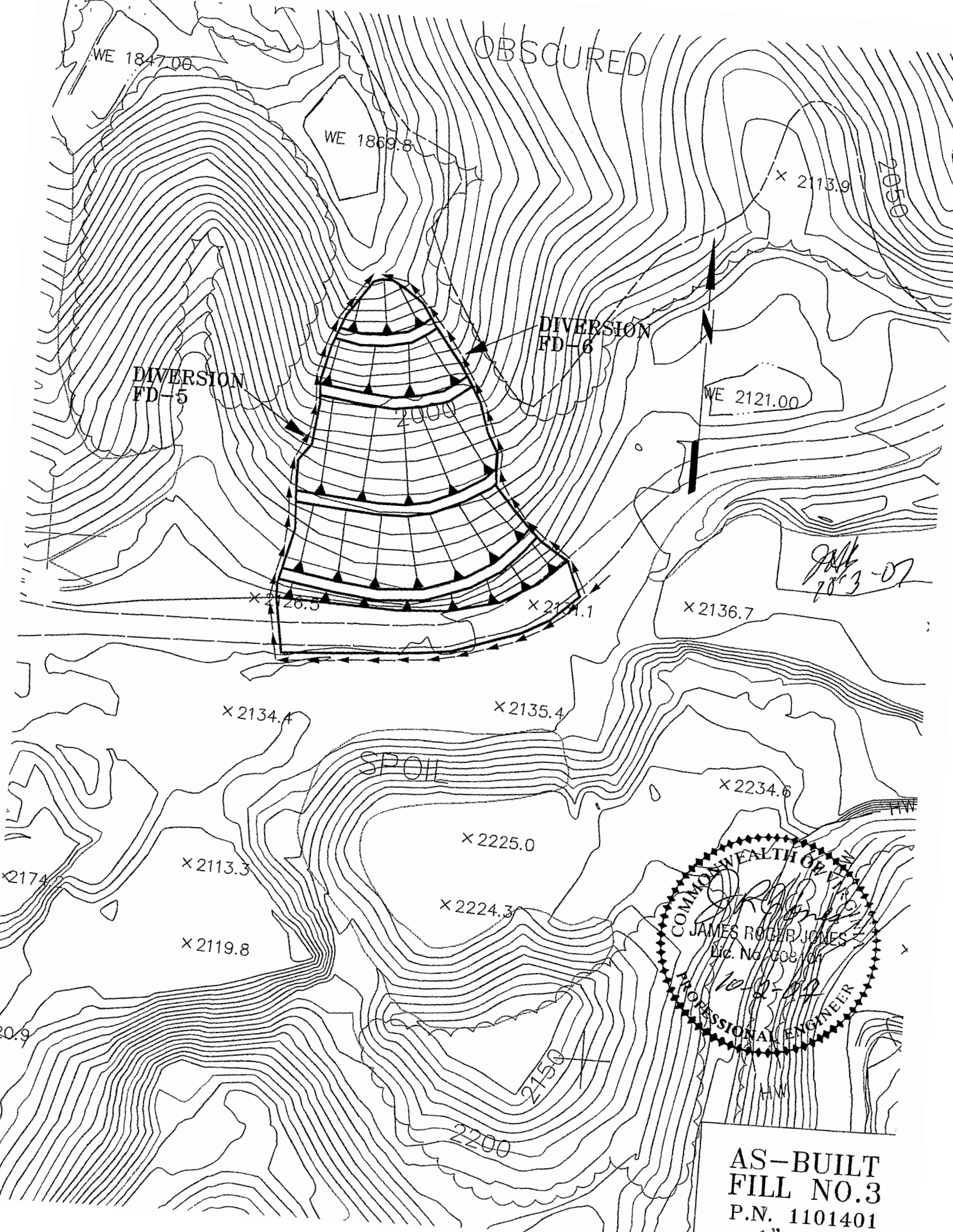
N.A. Indicate the type of erosion protection techniques used in the side drains, diversion ditches, and terraces by entering "R" for rock rip rap; "B" for bed rock; "V" for vegetation; and "O" for other (specify).

N.A. The rip rap meets the design specifications for depth and grading.

JRP 10-3-07

Placement and Compaction of Materials	
Yes or No	Where applicable, enter the appropriate response to the following. If not applicable, enter "NA".
Y	The material is placed in 4 feet lifts or less as specified in the approved design.
Y	The haulage vehicles are routed to achieve compaction.
	List other methods of compaction utilized in the fill construction. Dozers spread material.
	What is the percent of compaction? N.A.
	What is the moisture content of the material at the time of placement? N.A.
Y	Potentially toxic or acid forming material is being handled according to the approved plans.
Y	This is a durable rock fill composed of 80% durable rock, and
Y	- with the clay or shale dispersed properly.
Y	- the spoil is dumped at the approved locations.
N.A.	- the bench height above the completed portions are no greater than 50 feet.
Vegetation	
Y	Topsoiling and seeding are conducted concurrently with terrace completion.
Y	Seeding is in accordance with the approved mixtures and rates.
90%	Indicate the approximate percentage of ground cover.
Sketch of Fill(s) and Support Structure(s)	
<p>Submit a sketch (on a separate sheet) of each fill and supporting structures which are subject to this certification. Include the following information:</p> <ol style="list-style-type: none"> 1. approximate North. 2. outline of the fill area. 3. location of sediment control structure(s). 4. number and location of completed terraces. 5. the limits of organic material removal. 6. the limits of topsoil removal. 7. the location of any surface or ground water discharges. 8. the location of all underdrains and diversion ditches. 9. discuss any changes to be made, variations from the approved design, and any improper practices encountered. <p style="text-align: right;">NOTE: Internal roads and mine benches serve as diversions above the fill.</p>	
Comments	
Final certification, see attached drawing, no instability noted.	

Certification by Registered Professional Engineer			
I certify that the aforementioned fill is constructed and installed in accordance with the requirements of the Virginia Coal Surface Mining Reclamation Regulations and as per the approved design(s).			
CERTIFIED BY:	James Roger Jones	Certification/ Lic.No.	008101
SIGNATURE:		Date:	10-2-07
PLACE SEAL HERE			



AS-BUILT
FILL NO.3
P.N. 1101401



COMMONWEALTH OF VIRGINIA
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TELEPHONE: (276) 523-8166

10-3-07

EXCESS SPOIL FILLS AND REFUSE EMBANKMENTS CONSTRUCTION CERTIFICATION

COMPANY NAME	Red River Coal Company, Inc.	PERMIT NO.	1101401
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Fill Number	4	Type of Fill	VF
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Enter "A" if this Certification concerns a critical stage of construction; "B" a quarterly inspection; "F" a final inspection; or "C" combination.
3rd Quarter 2007

F

Removal of Organic Materials and Topsoil

Distance in feet that clearing and grubbing operations precede spoil placement.

50

Distance in feet that topsoil removal operations precede spoil placement.

50

Yes or No Where applicable, enter the appropriate response to the following. If not applicable, enter "NA".

Y Topsoil is removed to competent subsoil or rock.

Y All topsoil is being stockpiled or placed on completed portions.

Placement of Underdrain System (attach color photographs)

Height by width **dimensions** (in feet) of the underdrain per the approved detailed plans.

2 ft. X 6 ft.

Actual constructed height by width **dimensions** (in feet) of the underdrain.

4 ft. X 15 ft.

Yes or No Where applicable, enter the appropriate response to the following. If not applicable, enter "NA".

Y Durable rock is free of shale, fines, and other contaminants.

Y The rock grading is in accordance with the approved design.

N.A. Rock is being placed by selective handling from the toe of the fill.

N.A. The keyway cut was constructed in accordance with the approved design.

N.A. The rock toe buttress was constructed in accordance with the approved design.

N.A. The filter systems for the underdrain(s) were constructed in accordance with the approved design.

N.A. Lateral drains were placed to all springs and potential seeps.

Installation of the Surface Drainage System

Y Sediment ponds were installed prior to any fill construction disturbance.

Y Temporary diversion ditches, if applicable, were installed in accordance with the approved design.

N.A. Permanent diversion ditches, side drains and terraces are installed in accordance with the approved designs, and

N.A. - are placed on the proper grade(s).

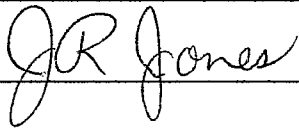
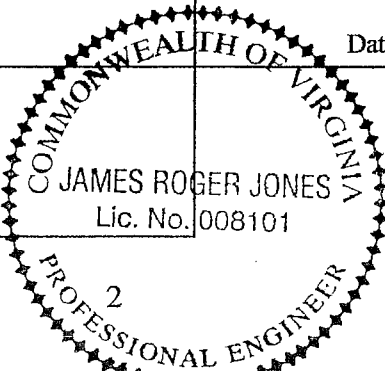
N.A. - are constructed in accordance with the approved design dimensions.

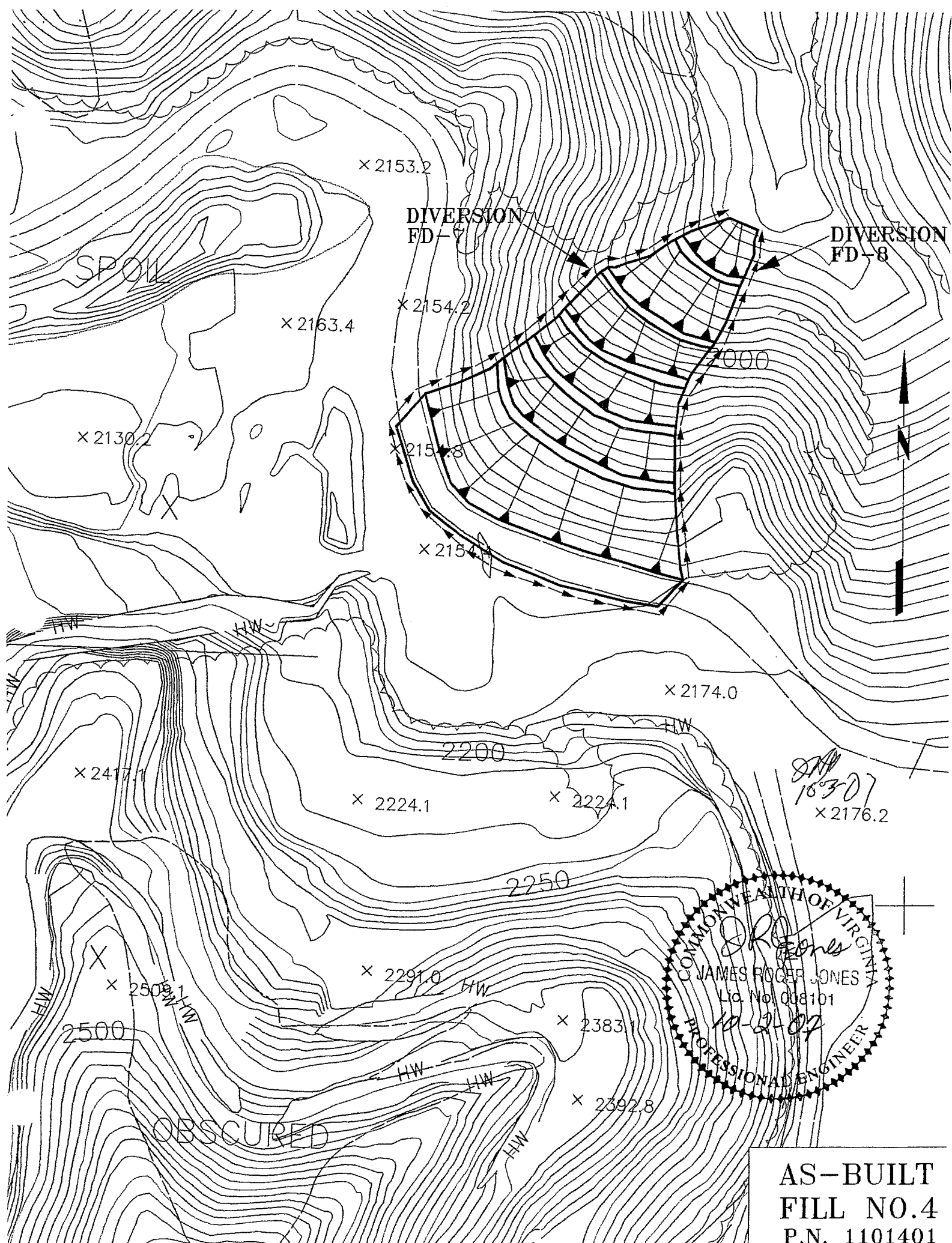
N.A. Indicate the type of erosion protection techniques used in the side drains, diversion ditches, and terraces by entering "R" for rock rip rap; "B" for bed rock; "V" for vegetation; and "O" for other (specify).

N.A. The rip rap meets the design specifications for depth and grading.

10-3-D7

Placement and Compaction of Materials	
Yes or No	Where applicable, enter the appropriate response to the following. If not applicable, enter "NA".
N.A.	The material is placed in 4 feet lifts or less as specified in the approved design.
Y	The haulage vehicles are routed to achieve compaction.
	List other methods of compaction utilized in the fill construction. Dozers spread material.
	What is the percent of compaction? N.A.
	What is the moisture content of the material at the time of placement? N.A.
Y	Potentially toxic or acid forming material is being handled according to the approved plans.
Y	This is a durable rock fill composed of 80% durable rock, and
Y	- with the clay or shale dispersed properly.
Y	- the spoil is dumped at the approved locations.
Y	- the bench height above the completed portions are no greater than 50 feet.
Vegetation	
Y	Topsoiling and seeding are conducted concurrently with terrace completion.
Y	Seeding is in accordance with the approved mixtures and rates.
100%	Indicate the approximate percentage of ground cover.
Sketch of Fill(s) and Support Structure(s)	
<p>Submit a sketch (on a separate sheet) of each fill and supporting structures which are subject to this certification. Include the following information:</p> <ol style="list-style-type: none"> 1. approximate North. 2. outline of the fill area. 3. location of sediment control structure(s). 4. number and location of completed terraces. 5. the limits of organic material removal. 6. the limits of topsoil removal. 7. the location of any surface or ground water discharges. 8. the location of all underdrains and diversion ditches. 9. discuss any changes to be made, variations from the approved design, and any improper practices encountered. <p style="text-align: right;">NOTE: Internal roads and mine benches serve as diversions above the fill.</p>	
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Certification by Registered Professional Engineer			
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CERTIFIED BY:	James Roger Jones	Certification/ Lic.No.	008101
SIGNATURE:		Date:	10-2-07
PLACE SEAL HERE			



AS-BUILT
FILL NO.4
P.N. 1101401



COMMONWEALTH OF VIRGINIA
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JNA
10-3-07

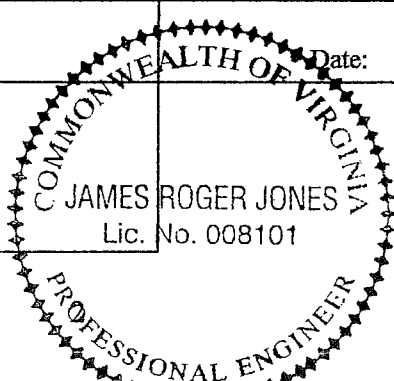
EXCESS SPOIL FILLS AND REFUSE EMBANKMENTS CONSTRUCTION CERTIFICATION

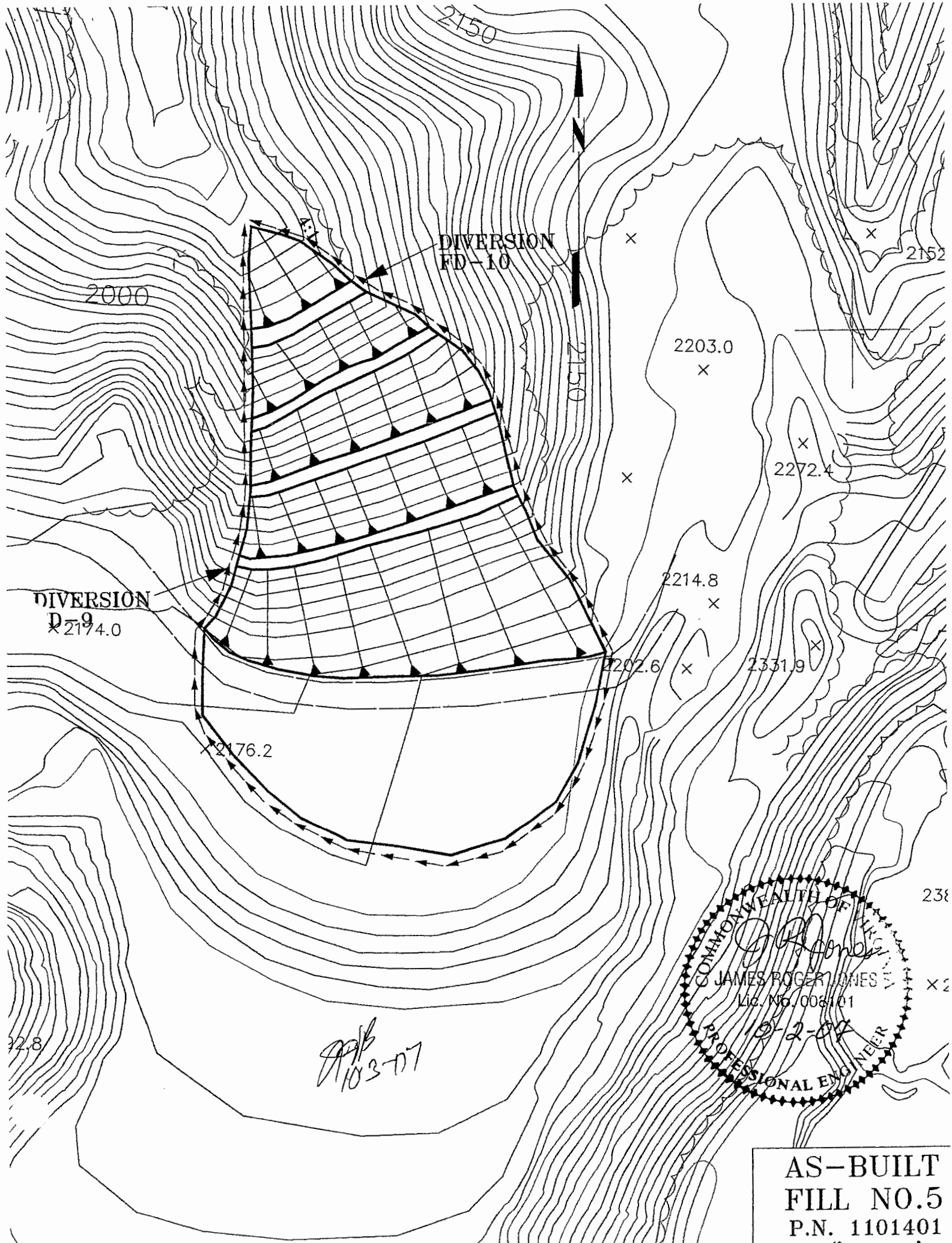
COMPANY NAME	Red River Coal Company, Inc.	PERMIT NO.	1101401
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Fill Number	5	Type of Fill	VF	
Enter "A" if this Certification concerns a critical stage of construction; "B" a quarterly inspection; "F" a final inspection; or "C" combination.				3rd Quarter 2007 F
Removal of Organic Materials and Topsoil				
Distance in feet that clearing and grubbing operations precede spoil placement.			0	
Distance in feet that topsoil removal operations precede spoil placement.			0	
Yes or No	Where applicable, enter the appropriate response to the following. If not applicable, enter "NA".			
Y	Topsoil is removed to competent subsoil or rock.			
Y	All topsoil is being stockpiled or placed on completed portions.			
Placement of Underdrain System (attach color photographs)				
Height by width dimensions (in feet) of the underdrain per the approved detailed plans.			3 ft. X 8 ft.	
Actual constructed height by width dimensions (in feet) of the underdrain.			4 ft. X 15 ft.	
Yes or No	Where applicable, enter the appropriate response to the following. If not applicable, enter "NA".			
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N.A.	The keyway cut was constructed in accordance with the approved design.			
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Installation of the Surface Drainage System				
Y	Sediment ponds were installed prior to any fill construction disturbance.			
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R; B	Indicate the type of erosion protection techniques used in the side drains, diversion ditches, and terraces by entering "R" for rock rip rap; "B" for bed rock; "V" for vegetation; and "O" for other (specify).			
Y	The rip rap meets the design specifications for depth and grading.			

JRH 10-3-07

Placement and Compaction of Materials	
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N.A.	The material is placed in 4 feet lifts or less as specified in the approved design.
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	List other methods of compaction utilized in the fill construction. Dozers spread material.
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	What is the moisture content of the material at the time of placement? N.A.
Y	Potentially toxic or acid forming material is being handled according to the approved plans.
Y	This is a durable rock fill composed of 80% durable rock, and
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Y	- the spoil is dumped at the approved locations.
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Vegetation	
Y	Topsoiling and seeding are conducted concurrently with terrace completion.
Y	Seeding is in accordance with the approved mixtures and rates.
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Sketch of Fill(s) and Support Structure(s)	
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Comments	
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Certification by Registered Professional Engineer			
I certify that the aforementioned fill is constructed and installed in accordance with the requirements of the Virginia Coal Surface Mining Reclamation Regulations and as per the approved design(s).			
CERTIFIED BY:	James Roger Jones	Certification/ Lic.No.	008101
SIGNATURE:	<i>JR Jones</i>	Date:	10-2-07
PLACE SEAL HERE			



DIVERSION
FD-9
2174.0

DIVERSION
FD-10
2176.2

COMMONWEALTH OF
JAMES ROGER JONES
Lic. No. 008101
10-2-07
PROFESSIONAL ENGINEER

AS-BUILT
FILL NO.5
P.N. 1101401



COMMONWEALTH OF VIRGINIA
DEPARTMENT OF MINES, MINERALS AND ENERGY
DIVISION OF MINED LAND RECLAMATION
P. O. DRAWER 900; BIG STONE GAP, VA 24219
TELEPHONE: (276) 523-8166

JK
1-23-08

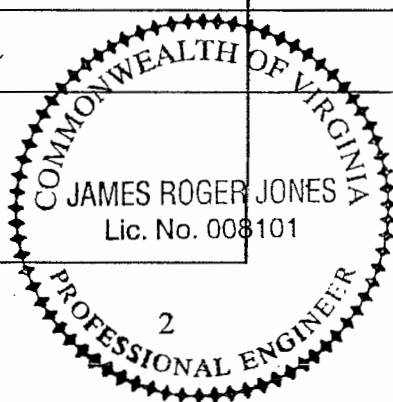
EXCESS SPOIL FILLS AND REFUSE EMBANKMENTS CONSTRUCTION CERTIFICATION

COMPANY NAME	Red River Coal Company, Inc.	PERMIT NO.	1101401
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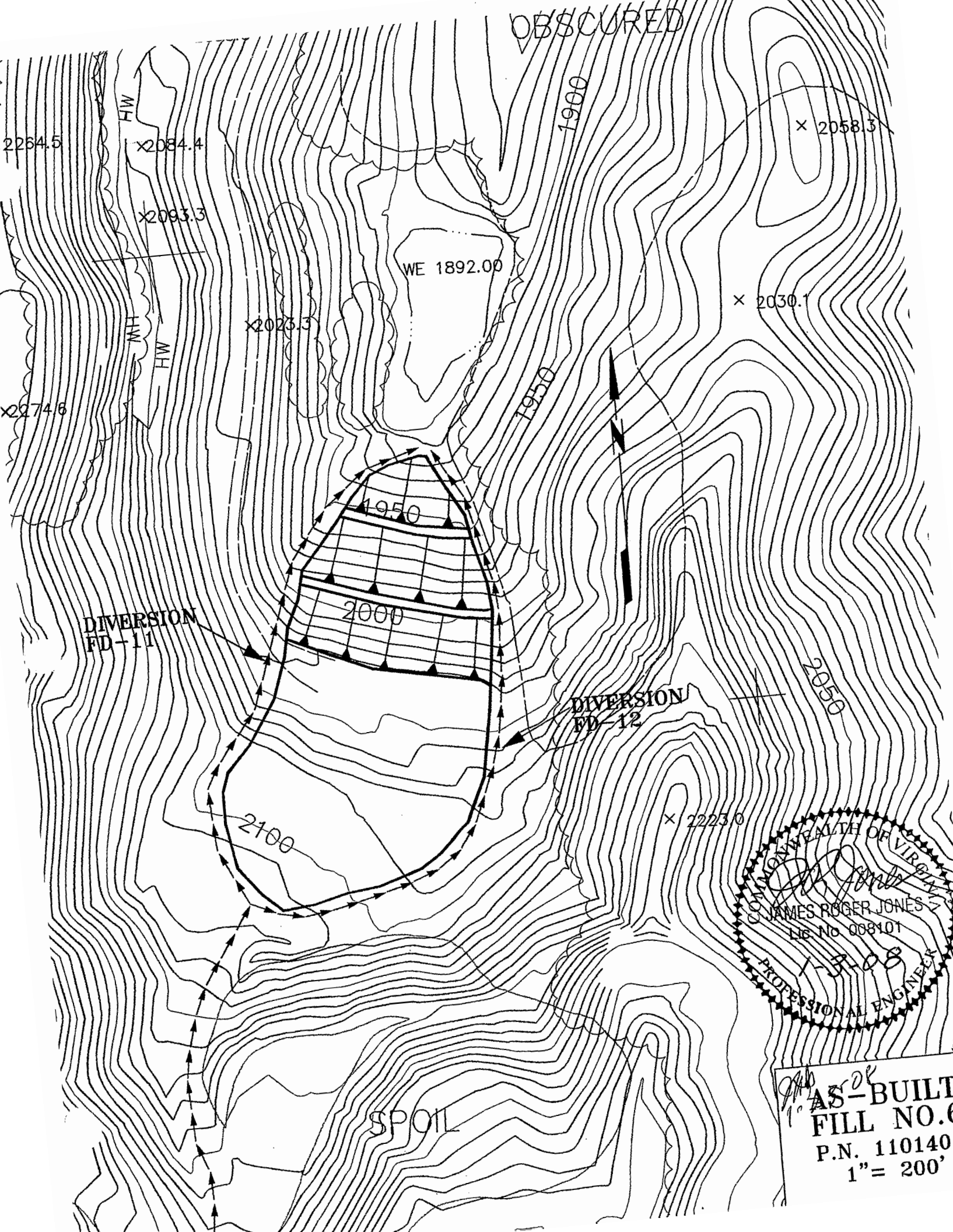
Fill Number	6	Type of Fill	VF	
Enter "A" if this Certification concerns a critical stage of construction; "B" a quarterly inspection; "F" a final inspection; or "C" combination.				F
Removal of Organic Materials and Topsoil				
Distance in feet that clearing and grubbing operations precede spoil placement.			0	
Distance in feet that topsoil removal operations precede spoil placement.			0	
Yes or No	Where applicable, enter the appropriate response to the following. If not applicable, enter "NA".			
Y	Topsoil is removed to competent subsoil or rock.			
Y	All topsoil is being stockpiled or placed on completed portions.			
Placement of Underdrain System (attach color photographs)				
Height by width dimensions (in feet) of the underdrain per the approved detailed plans.			4 ft. X 16 ft.	
Actual constructed height by width dimensions (in feet) of the underdrain.			10+ ft. X 20+ ft.	
Yes or No	Where applicable, enter the appropriate response to the following. If not applicable, enter "NA".			
Y	Durable rock fill is free of shale, fines, and other contaminants.			
Y	The rock grading is in accordance with the approved design.			
N.A.	Rock is being placed by selective handling from the toe of the fill.			
N.A.	The keyway cut was constructed in accordance with the approved design.			
N.A.	The rock toe buttress was constructed in accordance with the approved design.			
N.A.	The filter systems for the underdrain(s) were constructed in accordance with the approved design.			
N.A.	Lateral drains were placed to all springs and potential seeps.			
Installation of the Surface Drainage System				
Y	Sediment ponds were installed prior to any fill construction disturbance.			
Y	Temporary diversion ditches, if applicable, were installed in accordance with the approved design.			
Y	Permanent diversion ditches, side drains and terraces are installed in accordance with the approved designs, and			
Y	- are placed on the proper grade(s).			
Y	- are constructed in accordance with the approved design dimensions.			
R; B	Indicate the type of erosion protection techniques used in the side drains, diversion ditches, and terraces by entering "R" for rock rip rap; "B" for bed rock; "V" for vegetation; and "O" for other (specify).			
Y	The rip rap meets the design specifications for depth and grading.			

JRJ 1-23-08

Placement and Compaction of Materials		
Yes or No	Where applicable, enter the appropriate response to the following. If not applicable, enter "NA".	
Y	The material is placed in 4 feet lifts or less as specified in the approved design.	
Y	The haulage vehicles are routed to achieve compaction.	
	List other methods of compaction utilized in the fill construction.	Dozers spread material.
	What is the percent of compaction?	N.A.
	What is the moisture content of the material at the time of placement?	N.A.
Y	Potentially toxic or acid forming material is being handled according to the approved plans.	
Y	This is a durable rock fill composed of 80% durable rock, and	
Y	- with the clay or shale dispersed properly.	
Y	- the spoil is dumped at the approved locations.	
Y	- the bench height above the completed portions are no greater than 50 feet.	
Vegetation		
Y	Topsoiling and seeding are conducted concurrently with terrace completion.	
Y	Seeding is in accordance with the approved mixtures and rates.	
100%	Indicate the approximate percentage of ground cover.	
Sketch of Fill(s) and Support Structure(s)		
<p>Submit a sketch (on a separate sheet) of each fill and supporting structures which are subject to this certification. Include the following information:</p> <ol style="list-style-type: none"> 1. approximate North. 2. outline of the fill area. 3. location of sediment control structure(s). 4. number and location of completed terraces. 5. the limits of organic material removal. 6. the limits of topsoil removal. 7. the location of any surface or ground water discharges. 8. the location of all underdrains and diversion ditches. 9. discuss any changes to be made, variations from the approved design, and any improper practices encountered. 		
<p>NOTE: See approved drawings. The fill is complete and seeded to the third terrace level. Backfill material has been placed in the area above the southern part of the fill. After grading to the final configuration as-built drawings will be submitted.</p>		
Comments		
No instability noted. Final report, see attached as built drawing.		

Certification by Registered Professional Engineer			
I certify that the aforementioned fill is constructed and installed in accordance with the requirements of the Virginia Coal Surface Mining Reclamation Regulations and as per the approved design(s).			
CERTIFIED BY:	James Roger Jones	Certification/ Lic.No.	008101
SIGNATURE:	<i>J.R. Jones</i>	Date:	1-3-08
PLACE SEAL HERE			

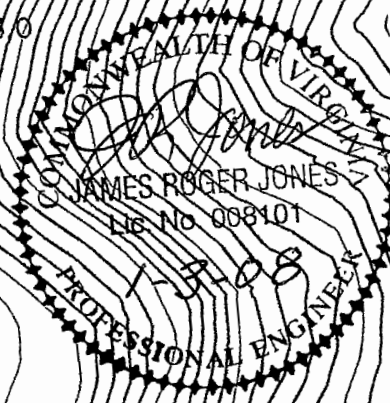
OBSCURED



DIVERSION
FD-11

DIVERSION
FD-12

SPOIL



AS-BUILT
FILL NO. 6
P.N. 110140
1" = 200'



COMMONWEALTH OF VIRGINIA
DEPARTMENT OF MINES, MINERALS AND ENERGY
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TELEPHONE: (276) 523-8166

9/16/07
103-07

EXCESS SPOIL FILLS AND REFUSE EMBANKMENTS CONSTRUCTION CERTIFICATION

COMPANY NAME	Red River Coal Company, Inc.	PERMIT NO.	1101401
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Fill Number	7	Type of Fill	VF
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Enter "A" if this Certification concerns a critical stage of construction; "B" a quarterly inspection; "F" a final inspection; or "C" combination.

3rd Quarter 2007

F

Removal of Organic Materials and Topsoil

Distance in feet that clearing and grubbing operations precede spoil placement.

0

Distance in feet that topsoil removal operations precede spoil placement.

0

Yes or No Where applicable, enter the appropriate response to the following. If not applicable, enter "NA".

Y Topsoil is removed to competent subsoil or rock.

Y All topsoil is being stockpiled or placed on completed portions.

Placement of Underdrain System (attach color photographs)

Height by width dimensions (in feet) of the underdrain per the approved detailed plans.

4 ft. X 16 ft.

Actual constructed height by width dimensions (in feet) of the underdrain.

10+ ft. X 10+ ft.

Yes or No Where applicable, enter the appropriate response to the following. If not applicable, enter "NA".

Y Durable rock is free of shale, fines, and other contaminants.

Y The rock grading is in accordance with the approved design.

N.A. Rock is being placed by selective handling from the toe of the fill.

N.A. The keyway cut was constructed in accordance with the approved design.

N.A. The rock toe buttress was constructed in accordance with the approved design.

N.A. The filter systems for the underdrain(s) were constructed in accordance with the approved design.

N.A. Lateral drains were placed to all springs and potential seeps.

Installation of the Surface Drainage System

Y Sediment ponds were installed prior to any fill construction disturbance.

Y Temporary diversion ditches, if applicable, were installed in accordance with the approved design.

N.A. Permanent diversion ditches, side drains and terraces are installed in accordance with the approved designs, and

N.A. - are placed on the proper grade(s).

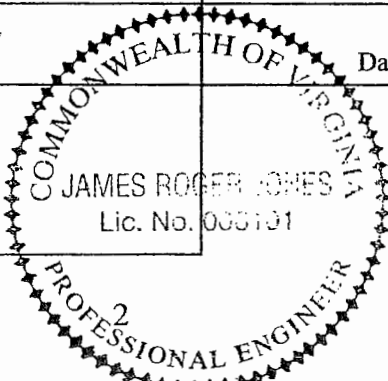
N.A. - are constructed in accordance with the approved design dimensions.

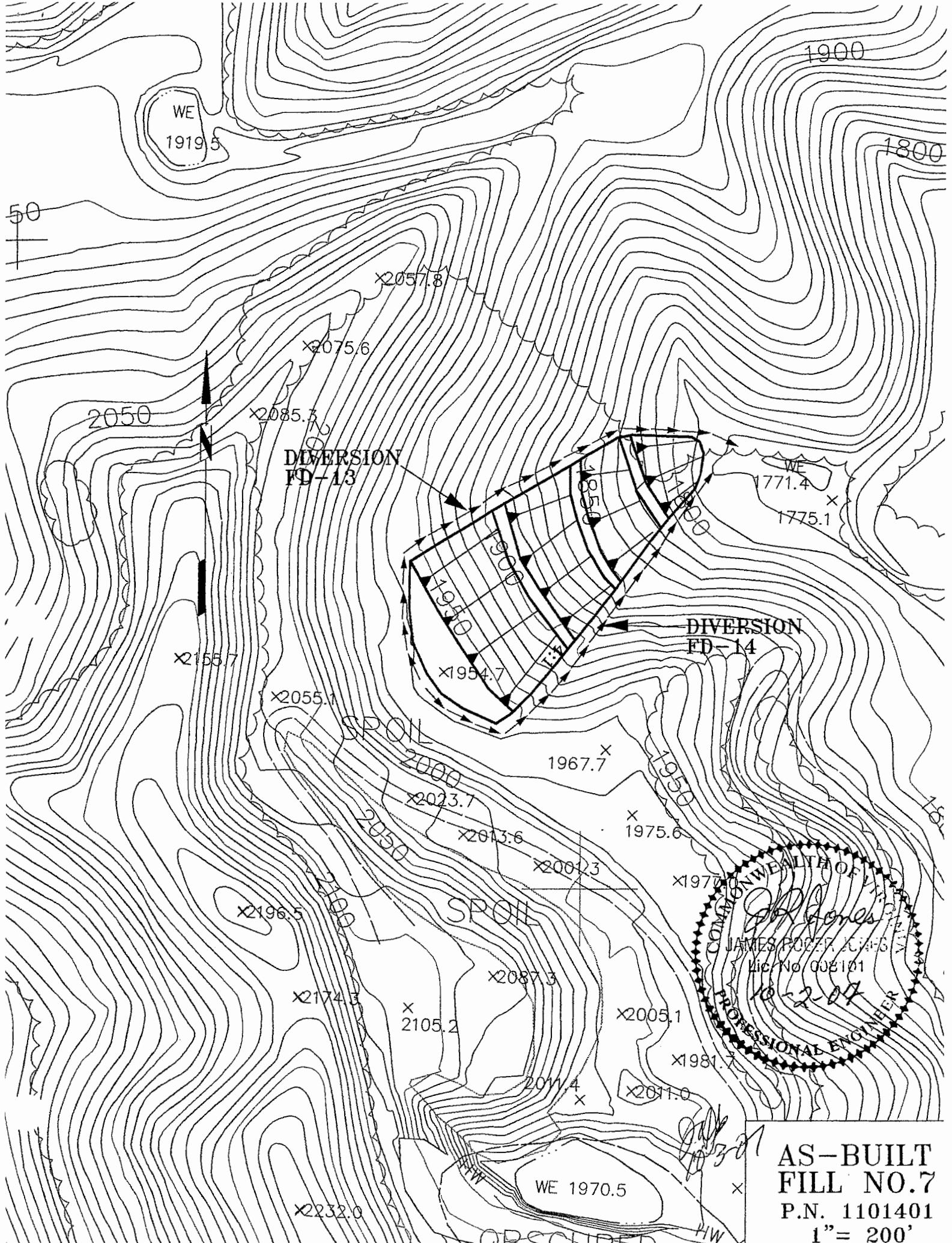
N.A. Indicate the type of erosion protection techniques used in the side drains, diversion ditches, and terraces by entering "R" for rock rip rap; "B" for bed rock; "V" for vegetation; and "O" for other (specify).

N.A. The rip rap meets the design specifications for depth and grading.

JH 10.3.07

Placement and Compaction of Materials	
Yes or No	Where applicable, enter the appropriate response to the following. If not applicable, enter "NA".
Y	The material is placed in 4 feet lifts or less as specified in the approved design.
Y	The haulage vehicles are routed to achieve compaction.
	List other methods of compaction utilized in the fill construction. Dozers spread material.
	What is the percent of compaction? N.A.
	What is the moisture content of the material at the time of placement? N.A.
Y	Potentially toxic or acid forming material is being handled according to the approved plans.
Y	This is a durable rock fill composed of 80% durable rock, and
Y	- with the clay or shale dispersed properly.
Y	- the spoil is dumped at the approved locations.
N.A.	- the bench height above the completed portions are no greater than 50 feet.
Vegetation	
Y	Topsoiling and seeding are conducted concurrently with terrace completion.
Y	Seeding is in accordance with the approved mixtures and rates.
100%	Indicate the approximate percentage of ground cover.
Sketch of Fill(s) and Support Structure(s)	
<p>Submit a sketch (on a separate sheet) of each fill and supporting structures which are subject to this certification. Include the following information:</p> <ol style="list-style-type: none"> 1. approximate North. 2. outline of the fill area. 3. location of sediment control structure(s). 4. number and location of completed terraces. 5. the limits of organic material removal. 6. the limits of topsoil removal. 7. the location of any surface or ground water discharges. 8. the location of all underdrains and diversion ditches. 9. discuss any changes to be made, variations from the approved design, and any improper practices encountered. <p style="text-align: right;">NOTE: Internal road and mine benches serve as diversions above the fill.</p>	
Comments	
Final certification, see attached drawing, no instability noted.	

Certification by Registered Professional Engineer			
I certify that the aforementioned fill is constructed and installed in accordance with the requirements of the Virginia Coal Surface Mining Reclamation Regulations and as per the approved design(s).			
CERTIFIED BY:	James Roger Jones	Certification/ Lic.No.	008101
SIGNATURE:	<i>JR Jones</i>	Date:	10-2-07
PLACE SEAL HERE			



AS-BUILT
FILL NO.7
P.N. 1101401
1"= 200'



COMMONWEALTH OF VIRGINIA
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TELEPHONE: (276) 523-8166

John
10-3-07

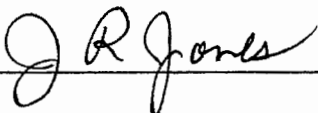
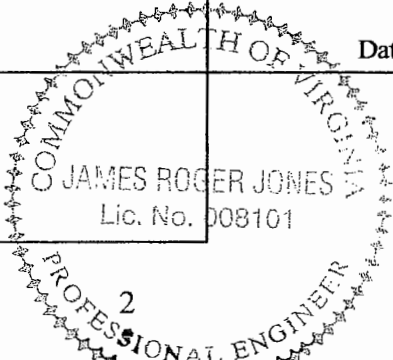
EXCESS SPOIL FILLS AND REFUSE EMBANKMENTS CONSTRUCTION CERTIFICATION

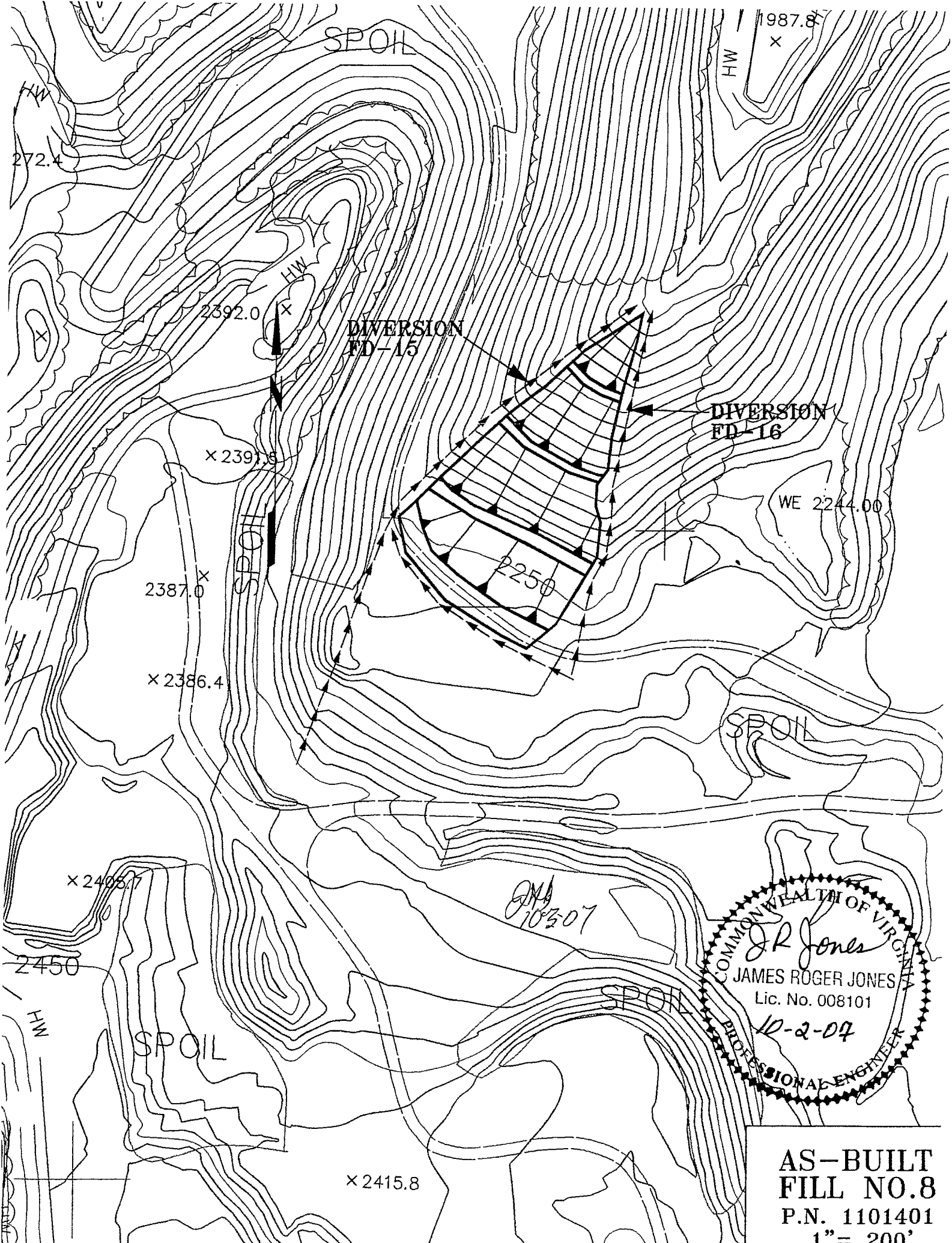
COMPANY NAME	Red River Coal Company, Inc.	PERMIT NO.	1101401
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Fill Number	8	Type of Fill	VF		
Enter "A" if this Certification concerns a critical stage of construction; "B" a quarterly inspection; "F" a final inspection; or "C" combination.					3rd Quarter 2007
Removal of Organic Materials and Topsoil					
Distance in feet that clearing and grubbing operations precede spoil placement.					0
Distance in feet that topsoil removal operations precede spoil placement.					0
Yes or No	Where applicable, enter the appropriate response to the following. If not applicable, enter "NA".				
Y	Topsoil is removed to competent subsoil or rock.				
Y	All topsoil is being stockpiled or placed on completed portions.				
Placement of Underdrain System (attach color photographs)					
Height by width dimensions (in feet) of the underdrain per the approved detailed plans.					2 ft. X 6 ft.
Actual constructed height by width dimensions (in feet) of the underdrain.					8 ft. X 16 ft.
Yes or No	Where applicable, enter the appropriate response to the following. If not applicable, enter "NA".				
Y	Durable rock is free of shale, fines, and other contaminants.				
Y	The rock grading is in accordance with the approved design.				
N.A.	Rock is being placed by selective handling from the toe of the fill.				
N.A.	The keyway cut was constructed in accordance with the approved design.				
N.A.	The rock toe buttress was constructed in accordance with the approved design.				
N.A.	The filter systems for the underdrain(s) were constructed in accordance with the approved design.				
N.A.	Lateral drains were placed to all springs and potential seeps.				
Installation of the Surface Drainage System					
Y	Sediment ponds were installed prior to any fill construction disturbance.				
Y	Temporary diversion ditches, if applicable, were installed in accordance with the approved design.				
Y	Permanent diversion ditches, side drains and terraces are installed in accordance with the approved designs, and				
Y	- are placed on the proper grade(s).				
N	- are constructed in accordance with the approved design dimensions.				
R; B	Indicate the type of erosion protection techniques used in the side drains, diversion ditches, and terraces by entering "R" for rock rip rap; "B" for bed rock; "V" for vegetation; and "O" for other (specify).				
Y	The rip rap meets the design specifications for depth and grading.				

20.3-07

Placement and Compaction of Materials	
Yes or No	Where applicable, enter the appropriate response to the following. If not applicable, enter "NA".
Y	The material is placed in 4 feet lifts or less as specified in the approved design.
Y	The haulage vehicles are routed to achieve compaction.
	List other methods of compaction utilized in the fill construction. Dozers spread material.
	What is the percent of compaction? N.A.
	What is the moisture content of the material at the time of placement? N.A.
Y	Potentially toxic or acid forming material is being handled according to the approved plans.
Y	This is a durable rock fill composed of 80% durable rock, and
Y	- with the clay or shale dispersed properly.
Y	- the spoil is dumped at the approved locations.
Y	- the bench height above the completed portions are no greater than 50 feet.
Vegetation	
Y	Topsoiling and seeding are conducted concurrently with terrace completion.
Y	Seeding is in accordance with the approved mixtures and rates.
100%	Indicate the approximate percentage of ground cover.
Sketch of Fill(s) and Support Structure(s)	
<p>Submit a sketch (on a separate sheet) of each fill and supporting structures which are subject to this certification. Include the following information:</p> <ol style="list-style-type: none"> 1. approximate North. 2. outline of the fill area. 3. location of sediment control structure(s). 4. number and location of completed terraces. 5. the limits of organic material removal. 6. the limits of topsoil removal. 7. the location of any surface or ground water discharges. 8. the location of all underdrains and diversion ditches. 9. discuss any changes to be made, variations from the approved design, and any improper practices encountered. <p style="text-align: right;">NOTE: Internal roads and mine benches serve as diversions above the fill.</p>	
Comments	
Final certification, see attached drawing, no instability noted.	

Certification by Registered Professional Engineer			
I certify that the aforementioned fill is constructed and installed in accordance with the requirements of the Virginia Coal Surface Mining Reclamation Regulations and as per the approved design(s).			
CERTIFIED BY:	James Roger Jones	Certification/ Lic.No.	008101
SIGNATURE:		Date:	10-2-07
PLACE SEAL HERE			



SPOIL

1987.8
x
HW

272.4
x
HW

2392.0
x
HW

DIVERSION
FD-15

DIVERSION
FD-16

x 2391.6

WE 2244.00

2387.0
x

x 2386.4

SPOIL

x 2405.7

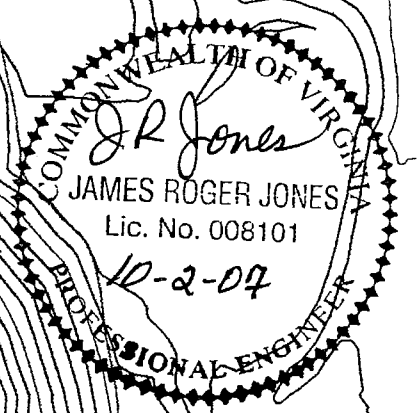
2450

HW

SPOIL

QMA
10/3/07

SPOIL



x 2415.8

AS-BUILT
FILL NO.8
P.N. 1101401

1" = 200'



COMMONWEALTH OF VIRGINIA
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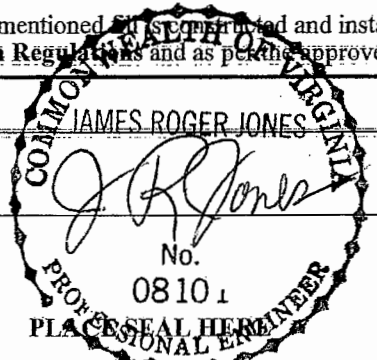
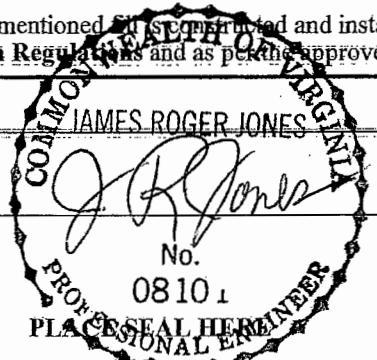
KC
040907

EXCESS SPOIL FILLS AND REFUSE EMBANKMENTS CONSTRUCTION CERTIFICATION

COMPANY NAME		Red River Coal Company, Inc.		PERMIT NO.		1101760		
Fill Number	2	Type of Fill	VF (Durable Rock)					
Enter "A" if this Certification concerns a critical stage of construction; "B" a quarterly inspection; "F" a final inspection; or "C" combination.							4th Quarter 2006	F
Removal of Organic Materials and Topsoil								
Distance in feet that clearing and grubbing operations precede spoil placement.						25		
Distance in feet that topsoil removal operations precede spoil placement.						25		
Yes or No	Where applicable, enter the appropriate response to the following. If not applicable, enter "NA".							
Y	Topsoil is removed to competent subsoil or rock.							
Y	All topsoil is being stockpiled or placed on completed portions.							
Placement of Underdrain System (attach color photographs)								
Height by width dimensions (in feet) of the underdrain per the approved detailed plans.						N.A.		
Actual constructed height by width dimensions (in feet) of the underdrain.						8 x 16		
Yes or No	Where applicable, enter the appropriate response to the following. If not applicable, enter "NA".							
Y	Durable rock fill is free of shale, fines, and other contaminants.							
Y	The rock grading is in accordance with the approved design.							
N.A.	Rock is being placed by selective handling from the toe of the fill.							
N.A.	The keyway cut was constructed in accordance with the approved design.							
N.A.	The rock toe buttress was constructed in accordance with the approved design.							
N.A.	The filter systems for the underdrain(s) were constructed in accordance with the approved design.							
N.A.	Lateral drains were placed to all springs and potential seeps.							
Installation of the Surface Drainage System								
Y	Sediment ponds were installed prior to any fill construction disturbance.							
Y	Temporary diversion ditches, if applicable, were installed in accordance with the approved design.							
Y	Permanent diversion ditches, side drains and terraces are installed in accordance with the approved designs, and							
Y	- are placed on the proper grade(s).							
Y	- are constructed in accordance with the approved design dimensions.							
R; B; V	Indicate the type of erosion protection techniques used in the side drains, diversion ditches, and terraces by entering "R" for rock rip rap; "B" for bed rock; "V" for vegetation; and "O" for other (specify).							
Y	The rip rap meets the design specifications for depth and grading.							

KC
01-09-07

Placement and Compaction of Materials	
Yes or No	Where applicable, enter the appropriate response to the following. If not applicable, enter "NA"
N.A.	The material is placed in 4 feet lifts or less as specified in the approved design.
Y	The haulage vehicles are routed to achieve compaction.
	List other methods of compaction utilized in the fill construction. N.A.
	What is the percent of compaction? N.A.
	What is the moisture content of the material at the time of placement? N.A.
Y	Potentially toxic or acid forming material is being handled according to the approved plans.
Y	This is a durable rock fill composed of 80% durable rock, and
Y	- with the clay or shale dispersed properly.
Y	- the spoil is dumped at the approved locations.
Y	- the bench height above the completed portions are no greater than 50 feet.
Vegetation	
Y	Topsoiling and seeding are conducted concurrently with terrace completion.
Y	Seeding is in accordance with the approved mixtures and rates.
100%	Indicate the approximate percentage of ground cover.
Sketch of Fill(s) and Support Structure(s)	
<p>Submit a sketch (on a separate sheet) of each fill and supporting structures which are subject to this certification. Include the following information:</p> <ol style="list-style-type: none"> 1. approximate North. 2. outline of the fill area. 3. location of sediment control structure(s). 4. number and location of completed terraces. 5. the limits of organic material removal. 6. the limits of topsoil removal. 7. the location of any surface or ground water discharges. 8. the location of all underdrains and diversion ditches. 9. discuss any changes to be made, variations from the approved design, and any improper practices encountered. 	
Comments	

Certification by Registered Professional Engineer			
I certify that the aforementioned fill is constructed and installed in accordance with the requirements of the Virginia Coal Surface Mining Reclamation Regulations and as per the approved design(s).			
CERTIFIED BY:	JAMES ROGER JONES	Certification/Registration No.	08101
SIGNATURE:		Date:	1-3-07
			



COMMONWEALTH OF VIRGINIA
DEPARTMENT OF MINES, MINERALS AND ENERGY
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TELEPHONE: (276) 523-8166

EXCESS SPOIL FILLS AND REFUSE EMBANKMENTS CONSTRUCTION CERTIFICATION

COMPANY NAME		Red River Coal Company, Inc.		PERMIT NO.		1101760	
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Fill No.	3	Type of Fill	VF	DMLR Fill Id. No.	F05925	MPID at toe	0003994
Type of construction certification:			B	Quarter 1, 2010; Final Inspection; Fill is complete			
Current Location of Toe of Fill (NAD83 Virginia South State Plane Coordinates)			Northing	3,548,802.83270	Easting	10,252,812.80140	
Removal of Organic Materials and Topsoil							
Distance in feet that clearing and grubbing operations precede spoil placement.					20		
Distance in feet that topsoil removal operations precede spoil placement.					20		
Where applicable, enter the appropriate response to the following. If not applicable, enter "NA".							
Y	Topsoil is removed to competent subsoil or rock.						
Y	All topsoil is being stockpiled or placed on completed portions.						
Placement of Underdrain System (attach color photographs)							
Height by width dimensions (in feet) of the underdrain per the approved detailed plans.						NA	
Actual constructed height by width dimensions (in feet) of the underdrain.						6 X 4	
Y	Durable rock is free of shale, fines, and other contaminants.						
Y	The rock grading is in accordance with the approved design.						
NA	Rock is being placed by selective handling from the toe of the fill.						
NA	The keyway cut was constructed in accordance with the approved design.						
NA	The rock toe buttress was constructed in accordance with the approved design.						
NA	The filter systems for the underdrain(s) were constructed in accordance with the approved design.						
NA	Lateral drains were placed to all springs and potential seeps.						
Installation of the Surface Drainage System							
Y	Sediment ponds were installed prior to any fill construction disturbance.						
Y	Temporary diversion ditches, if applicable, were installed in accordance with the approved design.						
Y	Permanent diversion ditches, side drains and terraces are installed in accordance with the approved designs, and						
Y	- are placed on the proper grade(s).						
Y	- are constructed in accordance with the approved design dimensions.						
R; B; V	Indicate the type of erosion protection techniques used in the side drains, diversion ditches, and terraces by entering "R" for rock rip rap; "B" for bed rock; "V" for vegetation; and "O" for other (specify)						
Y	The rip rap meets the design specifications for depth and grading.						

Placement and Compaction of Materials		
NA	The material is placed in 4 feet lifts or less as specified in the approved design.	
Y	The haulage vehicles are routed to achieve compaction.	
	List other methods of compaction utilized in the fill construction.	NA
	What is the percent of compaction?	NA
	What is the moisture content of the material at the time of placement?	NA
Y	Potentially toxic or acid forming material is being handled according to the approved plans.	
Y	This is a durable rock fill composed of 80% durable rock, and	
Y	- with the clay or shale dispersed properly.	
Y	- the spoil is dumped at the approved locations.	
Y	- the bench height above the completed portions are no greater than 50 feet.	
Vegetation		
Y	Topsoiling and seeding are conducted concurrently with terrace completion.	
Y	Seeding is in accordance with the approved mixtures and rates.	
100%	Indicate the approximate percentage of ground cover.	
Sketch of Fill(s) and Support Structure(s)		
<p>Submit a sketch (on a separate sheet) of each fill and supporting structures which are subject to this certification. Include the following information:</p> <ol style="list-style-type: none"> 1. approximate North. 2. outline of the fill area. 3. location of sediment control structure(s). 4. number and location of completed terraces. 5. the limits of organic material removal. 6. the limits of topsoil removal. 7. the location of any surface or ground water discharges. 8. the location of all underdrains and diversion ditches. 9. discuss any changes to be made, variations from the approved design, and any improper practices encountered. 		
Comments		
<p>Qtr.2, 2006: Clearing and grubbing of the center of the hollow has been performed. The underdrain system has been constructed by natural segregation of dumped material. The underdrain will be enlarged when future spoil placement takes place.</p> <p>Qtr.3, 2006: Additional spoil material has been placed for first and second terrace and construction has started on side drains.</p> <p>Qtr 4, 2006: Additional spoil material has been placed for third lift. Side drains have been completed for first and second lifts. First and second lifts have been seeded. No instability noted.</p> <p>Qtr 1, 2007: No Additional spoil material has been placed during this quarter. No instability noted.</p> <p>Qtr 2, 2007: No Additional spoil material has been placed during this quarter. No instability noted.</p> <p>Qtr 3, 2007: No Additional spoil material has been placed during this quarter. No instability noted.</p> <p>Qtr 4, 2007: No Additional spoil material has been placed during this quarter. No instability noted.</p>		

Qtr 1, 2008: No Additional spoil material has been placed during this quarter. No instability noted.
Qtr 2, 2008: Additional spoil material has been placed on third lift during this quarter. No instability noted.
Qtr 3, 2008: No instability noted.
Qtr 4, 2008: No instability noted.

Qtr 1, 2009: Some additional spoil material and grading has been done on third and final lift during this quarter. No instability noted.
Qtr 2, 2009: Some additional spoil material added, grading, side diversions and seeding has been done on third and final lift during this quarter. No instability noted.
Qtr 3, 2009: Some additional, grading, side diversions and seeding has been done on third and final lift during this quarter. No instability noted.
Qtr 4, 2009: No Additional grading has been done during this quarter. No instability noted.

Qtr 1, 2010: The fill is now complete and this is the final inspection report.
 No Additional grading has been done during this quarter. No instability noted.
 See attached as built drawing.

Sediment Pond No. 20 is located directly below HF#3 and the pond was cleaned out of collected sediment in the fall of 2009.

Groin ditches are in place to carry runoff around the fill. The diversion ditches are all trapezoidal as built.

There exist three terraces, a top lift and diversion ditches as built. A stability analysis of the as built fill has been done and is included and shows the fill is stable.

Additional Data for Final Fill Certification

Attach *pdf* and *dwg* files (must include original and final contour lines) and digital photos.

See included files on CD.


Total volume (mcy)	0.411	Footprint (acres)	8.21
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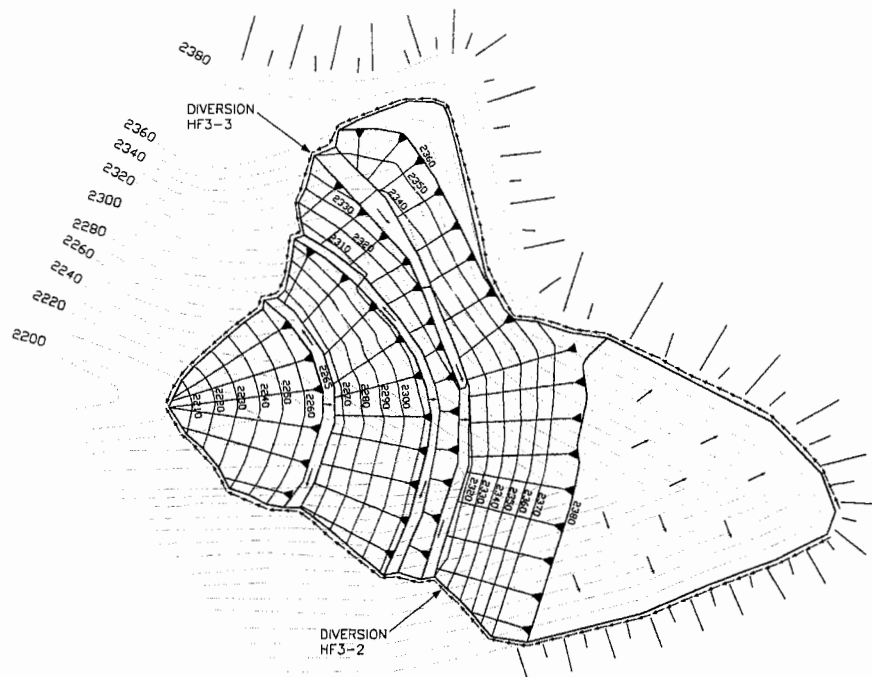
Describe methodology used to determine final fill volume. Design Volume 1.171 mcy.

By contours and average end area volumes

Linear feet of stream covered by fill

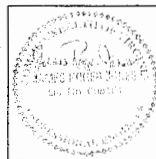
Ephemeral (ft)	Intermittent (ft)	Perennial (ft)	Total covered (ft)
0	1000	0	1000

Certification by Registered Professional Engineer			
I certify that the aforementioned fill is constructed and installed in accordance with the requirements of the Virginia Coal Surface Mining Reclamation Regulations and as per the approved design(s).			
CERTIFIED BY:	James Roger Jones	Certification/Registration No.	008101
SIGNATURE:		Date:	5/18/2010
 <p>PLACE SEAL HERE</p>		<p>James R Jones</p> <p>Digitally signed by James R Jones DN: CN = James R Jones, C = US, O = DST ACES Business Representative, OU = RED RIVER COAL COMPANY INC. Reason: I attest to the accuracy and integrity of this document Date: 2010.05.18 10:16:38 - 04'00'</p>	



James
R
Jones

Digitally signed by
James R. Jones
DN: cn = James R.
Jones, c = US, o = DST
ACES Business
Representative, ou =
RED RIVER COAL
COMPANY INC.
Reason: I attest to the
accuracy and integrity of
this document
Date: 2010.05.18
10:18:39 -04'00'



AS-BUILT FILL NO.3
P.N.1101760
DATE: 4/7/10
SCALE: 1" = 100'





COMMONWEALTH OF VIRGINIA
DEPARTMENT OF MINES, MINERALS AND ENERGY
DIVISION OF MINED LAND RECLAMATION
P. O. DRAWER 900; BIG STONE GAP, VA 24219
TELEPHONE: (276) 523-8166

EXCESS SPOIL FILLS AND REFUSE EMBANKMENTS CONSTRUCTION CERTIFICATION

COMPANY NAME	Red River Coal Company, Inc.	PERMIT NO.	1101760
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Fill No.	4	Type of Fill	VF	DMLR Fill Id. No.	F05926	MPID at toe	0003995
Type of construction certification:		B	Quarter 1, 2010; Final Inspection; Fill is complete				
Current Location of Toe of Fill (NAD83 Virginia South State Plane Coordinates)		Northing	3,547,580.73350		Easting	10,252,170.49470	
Removal of Organic Materials and Topsoil							
Distance in feet that clearing and grubbing operations precede spoil placement.					25		
Distance in feet that topsoil removal operations precede spoil placement.					25		
Where applicable, enter the appropriate response to the following. If not applicable, enter "NA".							
Y	Topsoil is removed to competent subsoil or rock.						
Y	All topsoil is being stockpiled or placed on completed portions.						
Placement of Underdrain System (attach color photographs)							
	Height by width dimensions (in feet) of the underdrain per the approved detailed plans.					NA	
	Actual constructed height by width dimensions (in feet) of the underdrain.					NA	
Y	Durable rock is free of shale, fines, and other contaminants.						
Y	The rock grading is in accordance with the approved design.						
NA	Rock is being placed by selective handling from the toe of the fill.						
NA	The keyway cut was constructed in accordance with the approved design.						
NA	The rock toe buttress was constructed in accordance with the approved design.						
NA	The filter systems for the underdrain(s) were constructed in accordance with the approved design.						
NA	Lateral drains were placed to all springs and potential seeps.						
Installation of the Surface Drainage System							
Y	Sediment ponds were installed prior to any fill construction disturbance.						
Y	Temporary diversion ditches, if applicable, were installed in accordance with the approved design.						
Y	Permanent diversion ditches, side drains and terraces are installed in accordance with the approved designs, and						
Y	- are placed on the proper grade(s).						
Y	- are constructed in accordance with the approved design dimensions.						
R	Indicate the type of erosion protection techniques used in the side drains, diversion ditches, and terraces by entering "R" for rock rip rap; "B" for bed rock; "V" for vegetation; and "O" for other (specify)						
Y	The rip rap meets the design specifications for depth and grading.						

Placement and Compaction of Materials		
NA	The material is placed in 4 feet lifts or less as specified in the approved design.	
Y	The haulage vehicles are routed to achieve compaction.	
	List other methods of compaction utilized in the fill construction.	NA
	What is the percent of compaction?	NA
	What is the moisture content of the material at the time of placement?	NA
Y	Potentially toxic or acid forming material is being handled according to the approved plans.	
Y	This is a durable rock fill composed of 80% durable rock, and	
Y	- with the clay or shale dispersed properly.	
Y	- the spoil is dumped at the approved locations.	
Y	- the bench height above the completed portions are no greater than 50 feet.	
Vegetation		
Y	Topsoiling and seeding are conducted concurrently with terrace completion.	
Y	Seeding is in accordance with the approved mixtures and rates.	
100%	Indicate the approximate percentage of ground cover.	
Sketch of Fill(s) and Support Structure(s)		
<p>Submit a sketch (on a separate sheet) of each fill and supporting structures which are subject to this certification. Include the following information:</p> <ol style="list-style-type: none"> 1. approximate North. 2. outline of the fill area. 3. location of sediment control structure(s). 4. number and location of completed terraces. 5. the limits of organic material removal. 6. the limits of topsoil removal. 7. the location of any surface or ground water discharges. 8. the location of all underdrains and diversion ditches. 9. discuss any changes to be made, variations from the approved design, and any improper practices encountered. 		
Comments		
<p>Qtr. 1, 2007, first report, pond 23 was constructed below the fill and approximately 35% of clearing and grubbing has been completed.</p> <p>Qtr. 2, 2007, clearing and grubbing has been completed and some durable rock has been end dumped into the fill establishing the rock blanket underdrain.</p> <p>Qtr. 3&4, 2007 additional durable rock has been placed.</p> <p>Qtr. 1, 2008 additional durable rock has been placed.</p> <p>Qtr. 2, 2008 additional durable rock has been placed, lift one and terrace one has been graded and seeded, side diversions constructed.</p> <p>Qtr. 3, 2008 some additional durable rock has been placed for lift 2, side diversions construction not yet completed, some material placed in lift 3 but face has not been started .</p> <p>Qtr.4, 2008 side drains cut but not all rock rip rap has been placed, some additional grading on terrace levels.</p>		

Qtr 1, 2009: Some additional spoil material and grading has been done on third and final lift during this quarter. No instability noted.

Qtr 2, 2009: Some additional spoil material and grading has been done on third and final lift during this quarter. Initial placing of rock rip rap was put in the side diversions up to the top terrace completed. Some additional backhoe finish placing and shaping of rock in side drains still needed and some minor erosion problems associated with same are noted. No fill instability noted.

Qtr 3, 2009: Some additional spoil material and grading has been done on third and final lift during this quarter. Initial placing of rock rip rap was put in the side diversions up to the top terrace completed. Some additional backhoe finish placing and shaping of rock in side drains and some minor erosion repairs associated with same have been completed. No fill instability noted.

Qtr 4, 2009: Some additional backhoe finish placing and shaping of rock in side drains and some minor erosion repairs associated with same have been completed. No fill instability noted.

Qtr 1, 2010: The fill is now complete and this is the final inspection report.

No Additional grading has been done during this quarter. No instability noted.

See attached as built drawing.

Sediment Pond No. 23 is located directly below HF#4.

Groin ditches are in place to carry runoff around the fill. The diversion ditches are all trapezoidal as built.

There exist several terraces, a top lift and trapezoidal diversion ditches as built. A stability analysis of the as built fill has been done and is included and shows the fill is stable as built.

Additional Data for Final Fill Certification

Attach *pdf* and *dwg* files (must include original and final contour lines) and digital photos.


See files included on CD.

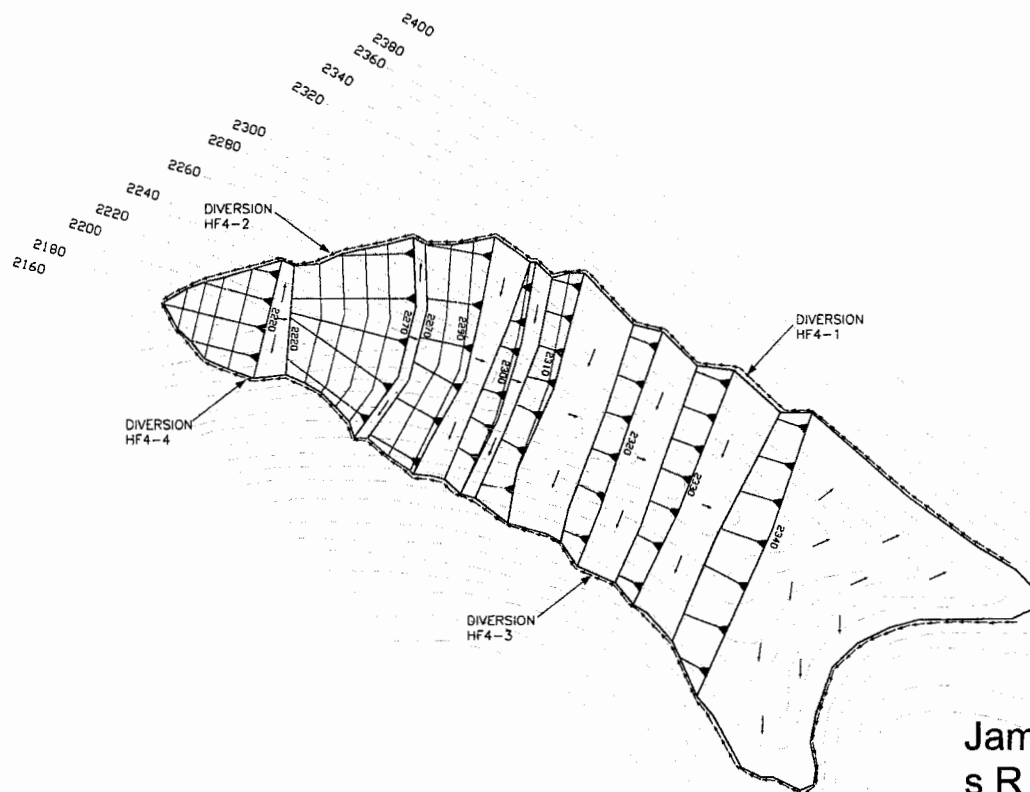
Total volume (mcy)	0.416	Footprint (acres)	8.16
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Describe methodology used to determine final fill volume. Design volume 1.322 mcy.

By contours and average end area volumes

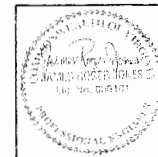
Linear feet of stream covered by fill			
Ephemeral (ft)	Intermittent (ft)	Perennial (ft)	Total covered (ft)
0	1500	0	1500

Certification by Registered Professional Engineer			
I certify that the aforementioned fill is constructed and installed in accordance with the requirements of the Virginia Coal Surface Mining Reclamation Regulations and as per the approved design(s).			
CERTIFIED BY:	James Roger Jones	Certification/Registration No.	008101
SIGNATURE:		Date:	5/13/2010
 <p style="text-align: center;">PLACE SEAL HERE</p>		<div style="display: flex; align-items: center;"> <div style="flex: 1;"> <h1 style="margin: 0;">James R Jones</h1> </div> <div style="flex: 1; font-size: 0.8em;"> <p>Digitally signed by James R Jones DN: CN = James R Jones, C = US, O = DST ACES Business Representative, OU = RED RIVER COAL COMPANY INC. Reason: I attest to the accuracy and integrity of this document Date: 2010.05.13 10:28:17 - 04'00'</p> </div> </div>	



James
R
Jones

Digitally signed by
James R. Jones
DN: CN = James R.
Jones, C = US, O =
DST ACES Business
Representative, OU =
RED RIVER COAL
COMPANY INC.
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accuracy and integrity
of this document.
Date: 2010.05.15
16:20:01 -04'00'



AS-BUILT FILL NO.4
P.N.1101760
DATE: 4/7/10
SCALE: 1" = 100'